

Empire Fences



*"FENCE
PERFECTION"*

Low Net Cash with Order Freight Prepaid Prices
Effective January 2, 1924

EMPIRE FENCE

The Fence You Will Buy Again

To our friends who have used Empire Fence and who are well acquainted with Empire Service and Business Policy, this catalog needs no words of introduction. To our prospective friends, however, these few words of greeting are necessary to bring us closer together so that we may better understand each other

Empire Quality

is the first thing we want to talk over with you. Unlike other fence manufacturers, we don't claim to have the best fence made. We go further than that. We claim, and claim justly, that because of the quality of wire used in the construction of our fence combined with the unusual strength and the wearing power of the *Empire Tie*, we have *The Standard of Excellence* in a woven wire fence. Empire standard was attained after long years of careful study of what constitutes a desirable fence and embodies the three *Absolute Essentials* to a long lived serviceable fence, without which *No* fence can be wholly efficient. They are:

First: Correct mechanical construction, which means that the lateral wires must all be the same length so that the tension will be perfect to insure it going up nice and straight. Wire fencing is woven on powerful looms which must be operated by skilled workmen who have many things to watch. The product of these looms, if manned by careless or inexperienced operators, would be very unsatisfactory. To insure the perfect product we produce, we employ the most skilled operators in the country.

Second: High grade wire. The life of a woven wire fence depends greatly upon the quality of material used. There are two kinds of wire, the Basic Open Hearth, and the Bessemer. Bessemer is short lived, because it rusts easily. The Basic Open Hearth is long lived, because it is a high grade of steel and, when coated with galvanizing of at least 98% pure zinc, will prevent rust for many years to come. The wire in Empire fence is made by a special process to obtain the best combination of strength and elasticity and makes an ideal fence.

Third: The wire used should be full gauge. If No. 9 wire is used it should gauge full No. 9, not 9½. Under gauge wire means under weight fence. You would not patronize a merchant who measured cloth by a 35 inch yard stick. For the same reason you should not buy wire that is under gauge. You are entitled to good measure. Buy Empire fence and you will get a full weight fence.

No. 9½ Gauge Wire

If anybody wants fence made of all No. 9½ gauge wire, we can furnish it. The difference between the All No. 9 and the No. 9½ is not so much in appearance as in weight.

Dealers are apt to offer No. 9½ gauge as a "Heavy Fence," and farmers are liable to buy it, thinking it is All No. 9. We want our customers to buy it for what it is, and not be deceived.

Your choice of a suitable fence to inclose your broad acres will be between many makes, principles, and merits. You will be offered fence that can boast of but one of the above features—fence that is well made perhaps but of either Bessemer wire or wire that is under gauge. Again you will be offered fence that can justly claim two of these essentials—fence made of full gauge **Basic Open Hearth** wire but of faulty construction. But you will be offered only **One** fence that embodies **All Three** of these essentials and that is the fence described on the following pages.

We Have Thousands of Testimonials

that will show why Empire fence will stand the searchlight of closest inspection—why it will stand the most severe test of all, the test of time in years of uniform service in the field. Read the remarkable letters printed in our catalog from a few of our many customers, some of whom have been buying Empire fence ever since we started making it. Nothing could better determine the real worth of an article than the words of pleased users voicing their frank opinion of that article's serviceableness and supremacy.

High Authority

To support our claim that Basic Open Hearth steel is better than Bessemer Steel, we quote from the new encyclopedia of Mechanical Engineering regarding the processes used in the manufacture of steel.

"To obtain the physical and chemical properties needed for the numerous and almost totally different uses to which steel is put, several processes are employed in the conversion of the scrap iron and other raw materials into steel. The most important of these are the "Bessemer," the "Open Hearth" and the "Crucible" processes. The first of these, named after the inventor, Sir Henry Bessemer, is the method by which the majority of **cheaper** steels are manufactured. Accordingly, we find the great tonnage of rails, structural shapes, shafting, and the **lower** grades of sheets and **wire**, produced in this way. The Open Hearth process furnishes the steel for springs, shovels, the **better grades of wire**, forgings, plates and other articles in which a **higher** grade of material than Bessemer is required, yet a grade not so fine as crucible. When the highest grade of product is desired—such as edge and cutting tools, surgical instruments, razors, saws, die blocks, etc.—steel from the crucible furnace is utilized."

We Sell Direct To You

Under our plan of selling there is no middleman to get a profit out of Empire fence. We employ neither agents nor salesmen. We make you but one price, a low **Factory Price** consistant with **High Grade** materials and **Expert** workmanship, both vitally necessary to produce first class fence. By selling direct to you every wasteful method of handling and rehandling has been eliminated. Not a single unnecessary penny is added to the cost of manufacturing and distributing our product. And all this means a saving—a **Big** saving—that we pass along to you.

The direct to users plan is the only economical way to buy. It enables you to get better goods—in quick time—and at a price that saves you the retail dealer's profit.

We Prepay the Freight

Owing to the frequent advances in freight rates during the past year or two, we have decided that it would be more satisfactory to our customers if we prepaid all freight charges. We, therefore, have made low cash with order freight prepaid prices in the catalog. The catalog price is all that you will have to pay. We fully prepay all freight charges to your nearest railroad station on 30 rods or more, in territory to which this catalog applies.

How To Order Empire Fence

To sell the high grade fence at the low prices quoted in this catalog, we must sell for cash to eliminate elaborate bookkeeping and collection systems that add so much to the cost of a product. Therefore, we ask our customers to send check, draft, express or money order with each order sent us. If it is not convenient for you to do so, we will be glad to make shipment to your nearest freight station and send sight draft with bill of lading attached, to any bank where it will be most convenient for you to pay it. Please bear in mind that this cash way of doing business works decidedly to your advantage. You get the benefit of the **Wholesale Price** on the **Highest Standard Fence In The World**. Hundreds of thousands of rods of our fence are used in all parts of the Country. Wherever introduced, it replaces all other makes for all time. Should you want proof of our responsibility, write to the Commercial Savings Bank, Adriaan or any Empire fence user.

Our Parting Word

Now we have made an honest effort to tell you just what you want to know of Empire fence and our business policy. We assume that when in need of wire fence, you want the greatest possible value for your money—you want a carefully woven fabric that insures even tension on the line wires, regular spacing between cross stays; locks closely and smoothly driven; made from the very best quality of full gauge, thoroughly galvanized **Open Hearth** hard drawn steel wire. If you actually want all this, combined with quick service and honest business treatment, you can't go wrong by placing an order *N-o-w* for Empire fence. Our broad iron-clad **Guarantee Of Satisfaction Or Your Money Back** protects you and your purchase. And in back of this guarantee is the entire resources of a business of 18 years standing.]



EMPIRE ALL NO. 9

This is our leader and we ask your careful consideration of its merits. It is the ideal farm fence, combining great strength, long life and absolutely satisfactory service.

Made of the highest grade Open Hearth, full gauge, hard drawn steel wire, heavily galvanized, and utmost care taken in the weaving to insure even tension on the line wires and regular spacing between the cross stays, we know that in Empire All No. 9 we are offering the very best value possible to obtain in a woven wire fence.

Being made throughout of No. 9 wire, there are no small wires to break or rust out in a few years. Just as "a chain is no stronger than its weakest link," the life of a woven wire fence is no longer than the life of the smallest wire in it. This is a point well worth considering.

Every wire in Empire All No. 9 is big and strong. The lock is closely and smoothly driven, making an absolutely immovable joint, yet sufficiently flexible that the fence is readily adjusted to uneven surfaces. There will be no slipping of locks, and if stretched tight (as any wire fence should be) it is very difficult to spring the line wires in the spaces between the cross stays. In fact, it is a strictly stock-proof, hog-tight fence.

It is really no harder to stretch than a fence made of lighter wire, while its great strength and lasting qualities make it by far the most satisfactory, and in the end the cheapest, fence you can buy.

We do not hesitate to recommend Empire All No. 9 to all fence users. We guarantee every rod of it to be as represented, or it can be returned at our expense and your money will be cheerfully refunded. We know it will give the very best of service and satisfaction. A trial order of even one roll will convince you this fence is all we claim for it.

Empire No. 9 $\frac{1}{2}$ Gauge Wire

We also furnish the All No. 9 $\frac{1}{2}$ gauge wire fence at the prices quoted on page 12 of this catalog.

The price is lower than the All No. 9 because it is not as heavy weight as the All No. 9.

THIS LETTER CONFIRMS EVERY CLAIM WE HAVE MADE FOR EMPIRE FENCE

I have Empire All No. 9 fence that has been up 12 years and it is a good fence yet. Looks like it would last 15 or 20 more years. I have three or four other kinds of No. 9 fence; been up about the same length of time that I am going to replace with your EMPIRE ALL No. 9 this Spring. I have ordered 15,000 rods of Empire All No. 9 fence from your factory for myself and neighbors; and will say that myself and neighbors are well pleased with Empire All No. 9 fence. I expect to send you an order for another carload soon.

Very truly yours,

Asher Gundy.

Lancaster, Ohio.
January 22, 1923.



Style No. 1155 All No. 9

All Freight Prepaid

This makes an excellent line or road fence, especially if one is prejudiced against a barb wire on top, and many of our customers prefer it to a lower style for all purposes. Made in 12-inch say only.

1155-12"—11 bars 55 inches high, 16 cross stays to rod. All No. 9 wire. Spacings 8-8-8-7-6-5-4-3-3-3. Estimated weight per rod 17 lbs. Made in 10, 20 and 40 rod rolls only. Price per rod 77c

1155- 9"—Same as above except 9 inches between the stays. Weight 20.2 lbs. per rod 20 and 30 rod rolls 93c

SAYS EMPIRE LEADS

Bond Steel Post Co.,

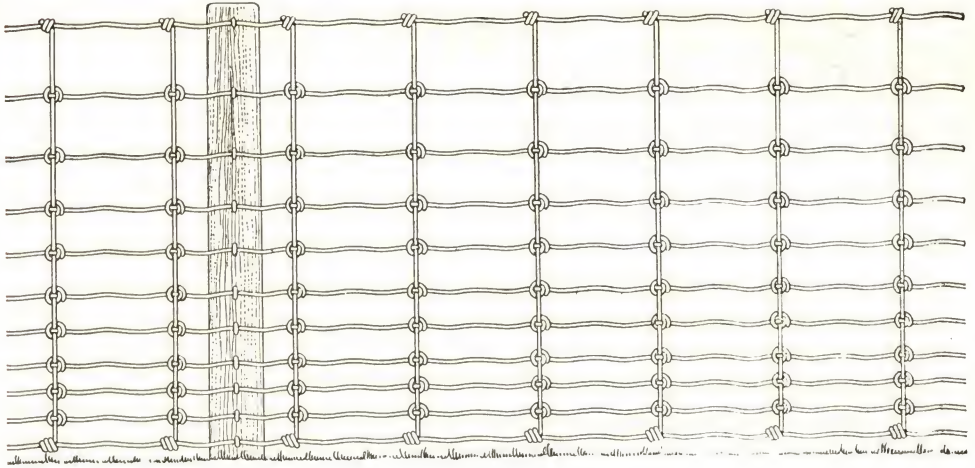
Adrian, Mich.

Gentlemen:—

I believe you are putting up the best fence on the market today. Any sane man that will investigate the manufacture of iron and steel will learn that Open Hearth is the best steel made today, as the old charcoal furnaces have gone out of existence. I will say that you lead in the manufacture of woven fence—others follow.

(Signed) ELMER L. BRUA,

Canoe Creek, Pa.



Style No. 1148 All No. 9

All Freight Prepaid

This style furnished with cross stays 12 inches apart and also 9 inches apart.

1148-12"—11 bars 48 inches high, 16 cross stays to rod. All No. 9 wire. Spacings 8-7-6-5-5-4-4-3-3-3. Estimated weight per rod 16.6 lbs. Made in 10, 20 and 40 rod rolls only. A strong, popular and long-lived style of farm fence. Price per rod..... **75c**

1148- 9"—11 bars 48 inches high, 22 cross stays to rod. All No. 9 wire. Spacing same as 11-48-12". Estimated weight per rod 18.8 lbs. Made in 20, and 30 rod rolls only. A splendid fence for along lanes or around barn lots. Price per rod..... **87c**

A nine-inch stay in an all No. 9 wire fence is just as effective as a six-inch stay. It will turn anything that a six-inch stay will. When you place the stays as close as six inches apart you add greatly to the weight and cost, but you do not increase the efficiency of the fence anywhere near in proportion.

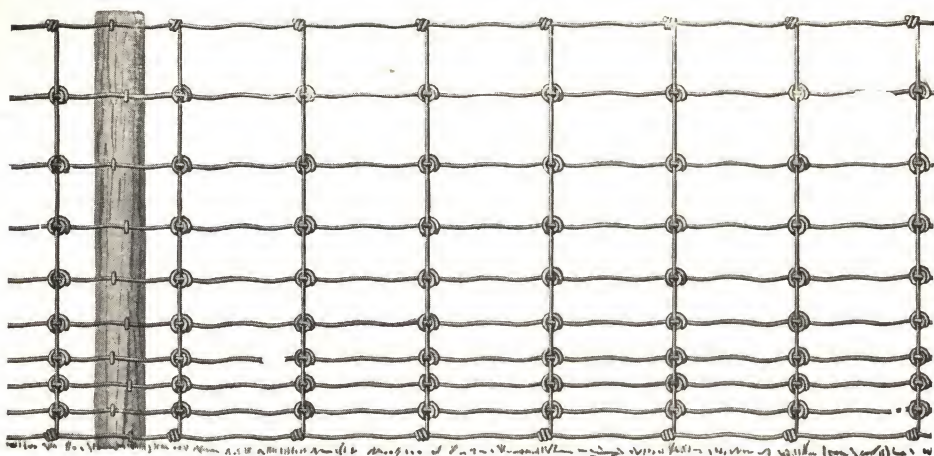
Empire Fence is made of the very best Open Hearth hard drawn steel wire, heavily galvanized. Quality counts.

Please give me your price list. I have 400 acres and put up some 150 rods of your fence 10 or 12 years ago and it is the freest from rust of any fence on the farm; although 100 rods are around and through a timber lot.

Yours respectfully,

Charles Chapin.

Jan. 21, 1922.
Holcomb, New York.



Style No. 1047 All No. 9

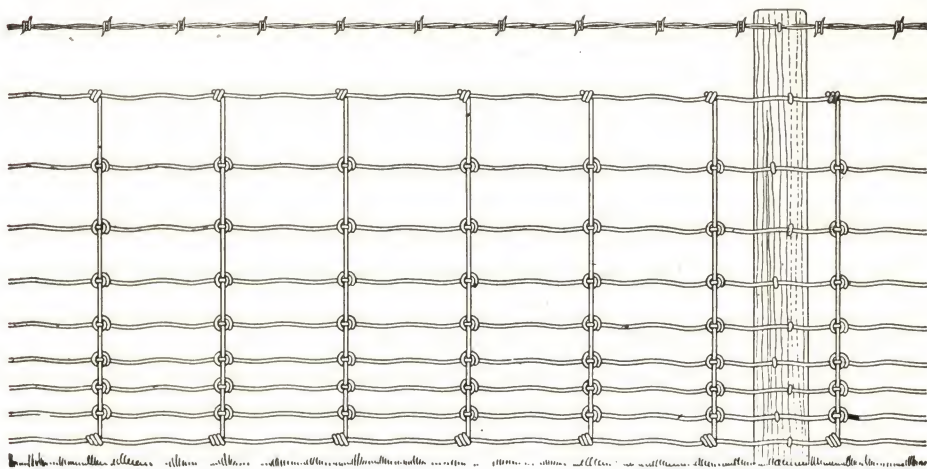
All Freight Prepaid

This is our heaviest seller and is designed as a general purpose farm fence. Furnished with cross stays 14 inches, 12 inches and also 9 inches apart. Every wire in a full gauge No. 9.

- 1047-14"**—10 bars 47 inches high, 14 cross stays to rod. All No. 9 wire. Spacings 8-8-7-6-5-4-3-3-3. Estimated weight per rod 14.5 lbs. Made in 10, 20 and 40 rod rolls only. A strong, serviceable and lasting fence. Thousands of users have testified to its merits. Price per rod 65c
- 1047-12"**—10 bars 47 inches high, 16 cross stays to rod. All No. 9 wire. Spacings same as 1047-14". Estimated weight per rod 15.5 lbs. Made in 10, 20 and 40 rod rolls only. A very popular and exceedingly durable fence. You will never regret buying it. Price per rod 68c
- 1047- 9"**—10 bars 47 inches high, 22 cross stays to rod. All No. 9 wire. Spacing same as 1047-14". Estimated weight per rod 17.5 lbs. Made in 20 and 30 rod rolls only. This is our most popular style of close stay fence. Used extensively for along lanes and around small lots. Price per rod 80c
- 1047- 6"**—10 bars 47 inches high, 32 cross stays to rod. All No. 9 wire. Spacing same as 1047-14". Estimated weight per rod 21 lbs. Made in 20 rod rolls. Price per rod 94c

We cannot weave this close stay all No. 9 in larger than 30 rod rolls, as the close spacing makes it too bulky for a larger roll to clear the frame of the loom.

A good fence wears out; a cheap fence rusts out. Which do you consider the most economical?



Style No. 939 All No. 9

All Freight Prepaid

This style is quite a favorite with many farmers, and is generally used with two barb wire above. Furnished with cross stays 14 inches, 12 inches and 9 inches apart.

939-14"—9 bars 39 inches high, 14 cross stays to rod. All No. 9 wire. Spacings 8-7-6-5-4-3-3-3. Estimated weight per rod 12.75 lbs. Made in 10, 20 and 40 rod rolls only. A very satisfactory fence. Price per rod **58c**

939-12"—9 bars, 39 inches high, 16 cross stays to rod. All No. 9 wire. Spacing same as 939-14". Estimated weight per rod 13.6 lbs. Made in 10, 20 and 40 rod rolls only. Strong and durable. Price per rod **60c**

939- 9"—9 bars 39 inches high, 22 cross stays to rod. All No. 9 wire. Spacing same as 939-14". Estimated weight per rod 15.5 lbs. Made in 20 and 30 rod rolls only. The ideal hog and sheep fence. Price per rod **71c**

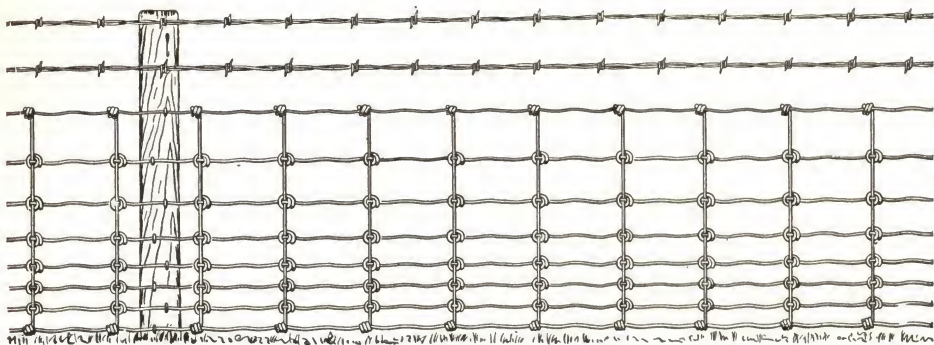
While the Empire lock is driven so as to make the joint immovable, it is so simple and open as to permit perfect drainage of all moisture, thus preventing rust.

Please quote prices on No. 9 galvanized, woven wire, also barb wire and fence posts. We ordered fencing from you several years ago. Our address then was Atwood, Illinois. I am pleased to say we found your goods very satisfactory.

Yours truly,

EDWARD S. SUFFERN,

Dec. 29, 1919
Olivet, Illinois.



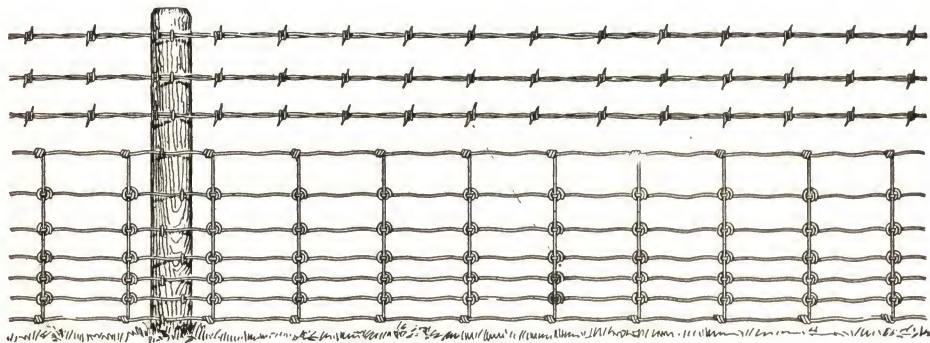
Style No. 831 All No. 9

All Freight Prepaid

Our 8-bar, 31-inch hog fence. Furnished with cross stays 12 inches and 9 inches apart.

831-12'—8 bars 31 inches high, 16 cross stays to rod. All No. 9 wire. Spacings 7-6-5-4-3-3-3. Estimated weight per rod 11.8 lbs. Made in 10, 20 and 40 rod rolls only. A strong, durable and popular hog fence. Price per rod **52½c**

831- 9'—8 bars 31 inches high, 22 cross bars to rod. All No. 9 wire. Spacing same as 831-12'. Estimated weight per rod 13.2 lbs. Made in 20 and 30 rod rolls only. A stiff, strong and satisfactory hog fence. Price per rod **61c**

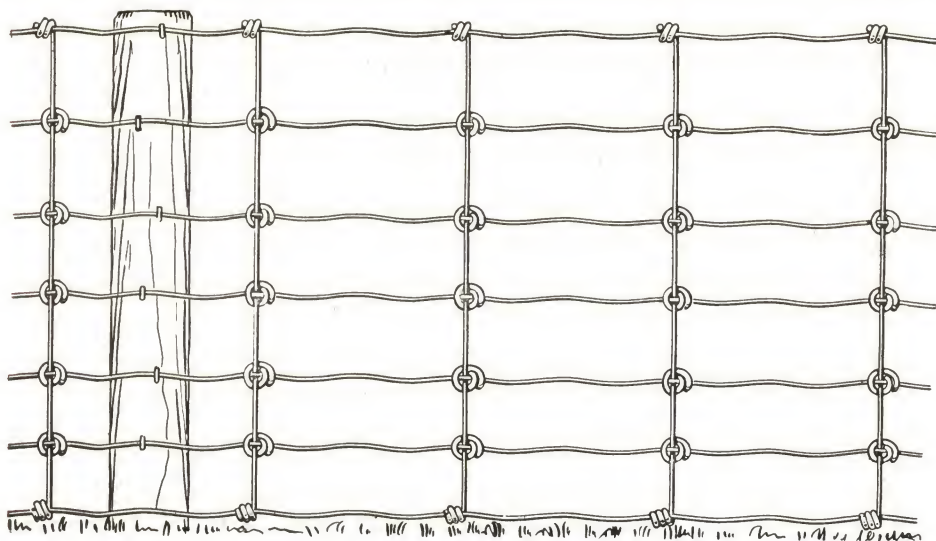


Style No. 726 All No. 9

This is a very popular and satisfactory hog fence. Furnished with cross stays 12 inches and 9 inches apart.

726-12'—7 bars 26 inches high, 16 cross stays to rod. All No. 9 wire. Spacings 6-5½-4½-3½-3-3. Estimated weight per rod 10.3 lbs. Made in 10, 20 and 40 rod rolls only. A first-class hog fence. Price per rod **46c**

726- 9'—Same as above except 22 stays to the rod. Wt. 11.7 lbs. Made in 20 and 30 rod rolls. Price per rod **53c**



Style No. 742 All No. 9

All Freight Prepaid

This is a horse and cattle fence and is very popular in many localities, especially in Pennsylvania and New York. Stretched with the bottom wire six or more inches above the ground and a barb wire on top it makes a tall, strong and satisfactory stock fence. Furnished with cross stays 18 inches and 12 inches apart.

- 742-18"—7 bars 42 inches high, 11 cross stays to rod. All No. 9 wire. Spacings 8-8-7-6-6. Estimated weight per rod 10 lbs. Made in 10, 20 and 40 rod rolls only. Strong and durable. Per rod..... 44c
- 742-12"—7 bars 42 inches high, 16 cross stays to rod. All No. 9 wire. Spacing same as 742-18". Estimated weight per rod 11.4 lbs. Made in 10, 20 and 40 rod rolls only. A very popular and satisfactory stock fence. Per rod..... 50c
- 742-14"—Same as above except 14 stays per rod. Wt. per rod 10.9 lbs..... 48c

Style No. 635

- 635-18"—6 bars 35 inches high, 11 cross stays to rod. All No. 9 wire. Spacings 8-8-7-6-6. Estimated weight per rod 8.9 lbs. Made in 10, 20 and 40 rod rolls only. Per rod 37½c
- 635-12"—6 bars 35 inches high, 16 cross stays to rod. All No. 9 wire. Spacing same as 635-18". Estimated weight per rod 9.6 lbs. Made in 10, 20 and 40 rod rolls only. Per rod..... 42c
- 635-14"—Same as above except 14 stays. Wt. per rod 9.1 lbs..... 40c

Style No. 845

- 845-14"—8 bars 45 inches high, 14 cross stays to rod. Estimated weight per rod 13 lbs. Spacing 8-8-7-6-6-5-5. Made in 10, 20 and 40 rod rolls only. Per rod..... 57½c
- 845-12"—8 bars 45 inches high, 16 cross stays to rod. Wt. rod 13.7 lbs. Price per rod 60c

IMPORTANT—Always give style number and price.

EMPIRE ALL NO. 9½

All Freight Prepaid

Style No. 1155 All No. 9½

1155-12"—11 bars 55 inches high, 16 cross stays to rod. All No. 9½ wire. Spacing 8-8-7-6-5-4-3-3-3. Estimated weight per rod 15.4 lbs. Price per rod..... 67½c

Style No. 1047 All No. 9½

1047-12"—10 bars 47 inches high, 16 cross stays to rod. All No. 9½ wire. Spacing 8-8-7-6-5-4-3-3-3. Estimated weight per rod 14 lbs. Price per rod 61½c

1047- 6"—10 bars 47 inches high, 32 cross stays to rod. All No. 9½ wire. Spacing same as above. Estimated weight per rod 19.5 lbs. Price per rod..... 83½c

Style No. 939 All No. 9½

939-12"—9 bars 39 inches high, 16 cross stays to rod. All No. 9½ wire. Spacing 8-7-6-5-4-3-3-3. Estimated weight per rod 12.6 lbs. Price per rod 53¾c

939- 6"—9 bars 39 inches high, 32 cross stays to rod. All No. 9½ wire. Spacing same as above. Estimated weight per rod 17.4 lbs. Price per rod 74¼c

Style No. 845 All No. 9½

845-14"—8 bars 45 inches high, 14 cross stays to rod. All No. 9½ wire. Spacing 8-8-7-6-6-5-5. Estimated weight per rod 11.8 lbs. Price per rod 49¼c

Style No. 742 All No. 9½

742-14"—7 bars 42 inches high, 14 cross stays to rod. All No. 9½ wire. Spacing 7-7-7-7-7-7. Estimated weight per rod 10.2 lbs. Price per rod..... 43¼c

Style No. 635 All No. 9½

635-14"—6 bars 35 inches high, 14 cross stays to rod. All No. 9½ wire. Spacing 8-8-7-6-6. Estimated weight per rod 8.9 lbs. Price per rod..... 36½c

Style No. 832 All No. 9½

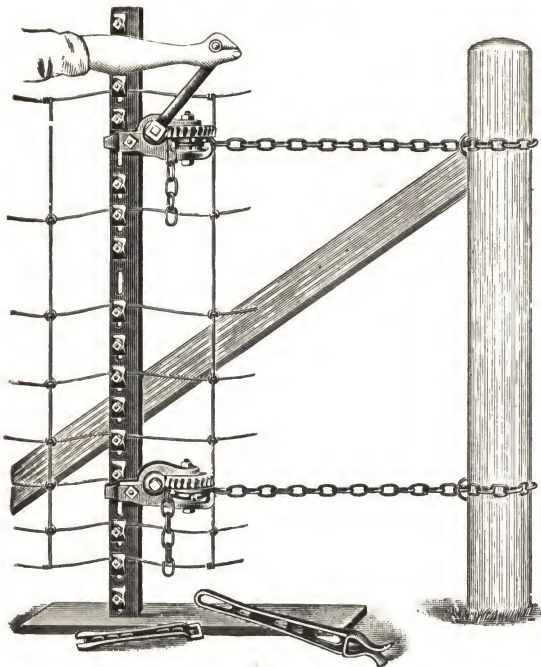
832-12"—8 bars 32 inches high, 16 cross stays to rod. All No. 9½ wire. Spacing 7-6-5-4-3-3-3. Estimated weight per rod 10.9 lbs. Price per rod..... 47¼c

832- 6"—8 bars 32 inches high, 28 cross stays to rod. All No. 9½ wire. Spacing same as above. Estimated weight per rod 14.9 lbs. Price 64½c

Style No. 726 All No. 9½

726-12"—7 bars 26 inches high, 16 cross stays to rod. All No. 9½ wire. Spacing 6-5½-4½-3½-3-3. Estimated weight per rod 9.4 lbs. Price per rod..... 40¾c

726- 6"—7 bars 26 inches high, 32 cross stays to rod. All No. 9½ wire. Spacing same as above. Estimated weight per rod 12.7 lbs. Price per rod 54c



Empire Fence Stretcher

The "Empire" Fence Stretcher consists of two jacks, steel bar with 13 clips and bolts, two 11-foot heavy chains, hand stretcher and wrench. The castings are all malleable and chains are tested to a 3,000-lb. strain. It works on an entirely different principle from the ordinary fence stretcher, is much simpler to operate, and more powerful than any other on the market. Weight about 95 lbs.

Price per set complete..... \$11.40

Price List of Parts for Empire Stretching Tools

The prices are net, wholesale

Clamp Bar	\$1.35 each
Chains	2.25 "
Bolts05 "
Clips05 "
Crank45 "
Wrench35 "
Hand Stretcher	1.10 "
Yoke (No. 15 and No. 015)	1.60 "
Large Worm	1.25 "
Small Worm50 "

EMPIRE SPECIAL

We recommend Empire Special as being next in strength and durability to Empire All No. 9. It is made of the same high grade wire and the same care taken in the weaving, insuring you a first quality, perfectly woven fence.

Made with a No. 9 top and No. 9 bottom wire; intermediate line wires, cross stays and locks No. 11, it is a very strong, durable fence, and not so many years ago was considered an extra heavy one. It is, without question, the best value possible to obtain in a fence with No. 11 filler.

Every wire in Empire Special is a full gauge, Open Hearth hard drawn steel wire, heavily galvanized. It is carefully woven on powerful looms by expert workmen, most of whom have been with us for years, and fully understand the importance of turning out a perfectly woven fence. The lock is closely and smoothly driven, yet flexible, and sufficiently open to permit perfect drainage, thus guarding against rust.

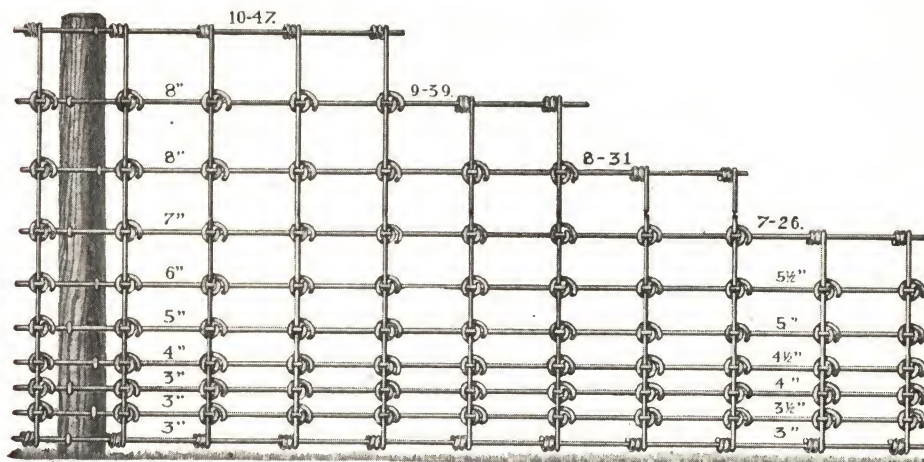
The same guaranty goes with Empire Special as with Empire All No. 9. If you do not find it to be as represented, it can be returned at our expense and your money will be refunded. All we ask is a trial order; we are not uneasy about your future patronage, as we know the trial order will satisfy you as to the merits of Empire Special.

Will you please send me two 20 rod rolls of fencing, Style No. 1148, as soon as you can, as I want to use it. I like your fence better than any I have ever used. I have used different kinds and I do not hesitate to recommend your fence. You will find enclosed my check for \$26.00. Please acknowledge the order.

Yours truly,

S. M. HERITAGE.

Jan. 21, 1922.
Elmer, New Jersey.



EMPIRE SPECIAL

All Freight Prepaid

All Styles of Empire Special except the 8-bar 31 and 7-bar 26 have a No. 9 top wire, No. 9 bottom; all other wires No. 11. The 8-bar 31 and 7-bar 26 have No. 10 top and bottom wires; all others No. 11. All styles made in 10, 20 and 40 rod rolls only.

1155-12"	11 bars 55 inches high, 16 cross stays to rod. Spacings 8-8-8-7-6-5-4-3-3-3.	Estimated weight per rod 11.6 lbs. Price per rod.....	54½c
1155- 6"	11 bars 55 inches high, 32 cross stays to rod. Spacing same as above.	Estimated weight per rod 16.3 lbs. Price per rod.....	77½c
1148-12"	11 bars 48 inches high, 16 cross stays to rod. Spacings 8-7-6-5-5-4-4-3-3-3.	Estimated weight per rod 11.5 lbs. Price per rod.....	53½c
1148- 6"	Same as above except it has 32 stays to the rod.	Price per rod.....	75c
1047-12"	10 bars 47 inches high, 16 cross stays to rod. Spacings 8-8-7-6-5-4-3-3-3.	Estimated weight per rod 10.6 lbs. Price per rod.....	48c
1047- 9"	Same as above except 22 stays to the rod. Wt. 12.3 lbs.	Price per rod...	57c
1047- 6"	10 bars 47 inches high, 32 cross stays to rod. Spacing same as 1047-12".	Estimated weight per rod 14.3 lbs. Price per rod.....	65½c
939-12"	9 bars 39 inches high, 16 cross stays to rod. Spacings 8-7-6-5-4-3-3-3.	Estimated weight per rod 9.4 lbs. Price per rod.....	42½c
939- 6"	9 bars 39 inches high, 32 cross stays to rod. Spacings same as 939-12".	Estimated weight per rod 12.5 lbs. Price per rod.....	57c
831-12"	8 bars 31 inches high, 16 cross stays to rod. Spacings 7-6-5-4-3-3-3.	Estimated weight per rod 8.2 lbs. Price per rod.....	37c
831- 6"	8 bars 31 inches high, 32 cross stays to rod. Spacing same as 831-12".	Estimated weight per rod 10.7 lbs. Price per rod.....	48c
726-12"	7 bars 26 inches high, 16 cross stays to rod. Spacings 6-5½-4½-3½-3-3.	Estimated weight per rod 7.05 lbs. Price per rod.....	32c
726- 6"	7 bars 26 inches high, 32 cross stays to rod. Spacing same as 726-12".	Estimated weight per rod 9.2 lbs. Price per rod.....	41½c
845-12"	8 bars 45 inches high, 16 cross stays to rod. Spacings 8-8-7-6-6-5-5.	Estimated weight per rod 9.2 lbs. Price per rod.....	41c

IMPORTANT—Always give style number and price

EMPIRE JUNIOR

This is an exceptionally strong, serviceable medium weight fence. Made with a No. 9 top and No. 10 gauge bottom wires; intermediate line wires and cross stays No. 12 and No. 12 gauge lock, it is, beyond question, the strongest and most satisfactory fence on the market in a No. 12 gauge wire.

This No. 12 gauge lock is a distinctive feature of Empire Junior. The lock is closely and smoothly driven, making an exceedingly strong, yet flexible joint, and at the same time sufficiently open to permit perfect drainage of all moisture. Is not this strong, heavy lock a point worth considering?

We use the same high grade Open Hearth, full gauge, hard drawn steel wire in Empire Junior as in Empire All No. 9 and Empire Special; the same care is taken in the weaving; and the same guaranty goes with it. If you do not find it to be as represented it can be returned at our expense and your money will be refunded. Please bear in mind that Empire Junior is not an experiment, but a thoroughly tested fence that is giving the best of service to thousands of satisfied users.

Why not send us a trial order? You are taking no risk whatever, and even one roll will be sufficient to satisfy you that Empire Junior is the very best medium weight fence on the market.

THE BOND SPLICE

The Best and Most Unique Device Yet Discovered
for Joining Two Wires.

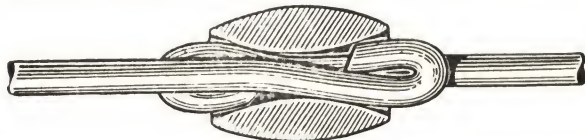
Furnished
with No. 9
Fence Only



(No. 1.)

HOW IT IS MADE.

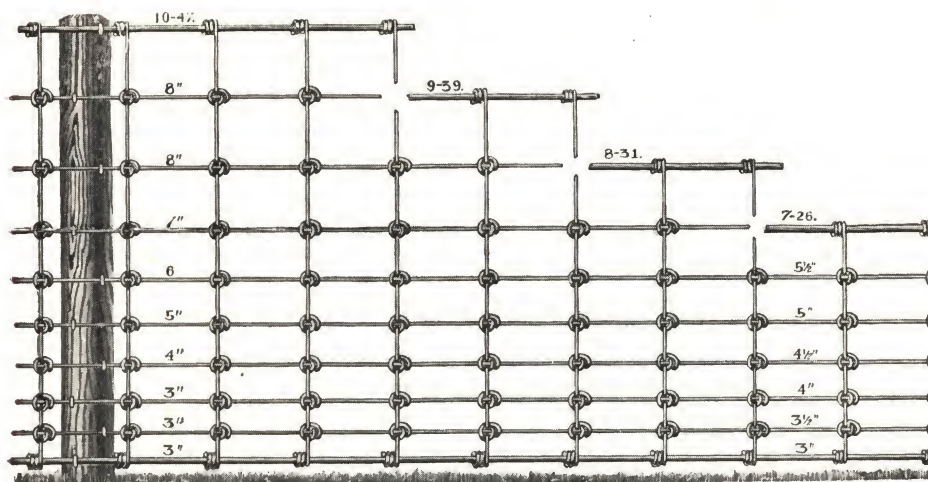
Place bottom splice on one of the two wires to be spliced, then with the pliers turn end of wire back on itself one-quarter inch from the end, as shown in cut No. 2: push the other wire through the splice from the opposite direction and bend same as the other wire: draw the two wires until the loops enter the orifice of the button. The splice will then be complete as shown in cut No. 1.



(No. 2.)

The whole job is finished in less time than it requires to tell how to do it. **CAUTION.**—Do not bend the wire more than quarter of an inch from the end. **ADVANTAGES.**—The use of this simple device saves wire, time and much vexatious trouble. It is a simple, neat and effective method of joining two wires. A sufficient number of these splices are included with each roll of Empire All No. 9 Wire Fence.

Every user of the Empire fence will thoroughly appreciate the advantage of this, our own invention.



EMPIRE JUNIOR

All Freight Prepaid

All styles of Empire Junior except the 8-bar 31 and 7-bar 26 have No. 9 top, No. 10 bottom wires; intermediate line wires and cross stays No. 12; locks No. 12. The 8-bar 31 and 7-bar 26 have No. 10 top and bottom wires; intermediate line wires and cross stays No. 12; lock No. 12. All styles made in 10, 20 and 40 rod rolls only.

1047-12"	—10 bars 47 inches high, 16 cross stays to rod. Spacing 8-8-7-6-5-4-3-3-3.	
	Estimated weight per rod 8.6 lbs. Price per rod	41c
1047- 6"	—10 bars 47 inches high, 32 crossbars to rod. Spacing same as 1047-12".	
	Estimated weight per rod 11.1 lbs. Price per rod	54c
939-12"	—9 bar 39 inches high, 16 cross stays to rod. Spacing 8-7-6-5-4-3-3-3. Esti-	
	mated weight per rod 7.52 lbs. Price per rod	37c
939- 6"	—9 bars 39 inches high, 32 cross stays to rod. Spacing same as 939-12". Esti-	
	mated weight per rod 9.92 lbs. Price per rod	48c
831-12"	—8 bars 31 inches high, 16 cross stays to rod. Spacings 7-6-5-4-3-3-3. Esti-	
	mated weight per rod 6.6 lbs. Price per rod	31c
831- 6"	—8 bars 31 inches high, 32 cross stays to rod. Spacing same as 831-12". Esti-	
	mated weight per rod 8.4 lbs. Price per rod	41c
726-12"	—7 bars 26 inches high, 16 cross stays to rod. Spacings 6-5½-4½-3½-3-3.	
	Estimated weight per rod 5.63 lbs. Price per rod	28c
726- 6"	—7 bars 26 inches high, 32 cross stays to rod. Spacing same as 726-12". Esti-	
	mated weight per rod 7.25 lbs. Price per rod	35c
845-12"	—8 bars 45 inches high, 16 cross stays to rod. Spacings 9-8-7-6-6-5-4. Esti-	
	mated weight per rod 7.25 lbs. Price per rod	35c

IMPORTANT—Always give style number and price

EMPIRE LIGHT SPECIAL

All Freight Prepaid

Made of high quality, full gauge, heavily galvanized hard steel wire, this is a strictly first-class light weight fence. Just as much care is taken in the weaving as any of the other Empire fences, and it is sold under the same guaranty. We know there is nothing better in a No. 13 gauge filler than we offer you in Empire Extra Special, while the price is very moderate.

All styles of Empire Extra Special have No. 10 top and bottom wires; intermediate line wires, cross stays and locks No. 13.

Made in 10, 20 and 40 rod rolls only.

1047EK-12" —10 bars 47 inches high, 16 cross stays to rod. Spacing 8-8-7-6-5-4-3-3-3. Estimated weight per rod 6.4 lbs. Price per rod	34c
1047EK- 6" —10 bars 47 inches high, 32 cross stays to rod. Spacing same as 1047EK-12". Estimated weight per rod 8.3 lbs. Price per rod	46c
939EK-12" —9 bars 39 inches high, 16 cross stays to rod. Spacing 8-7-6-5-4-3-3-3. Estimated weight per rod 5.75 lbs. Price per rod	32c
939EK- 6" —9 bars 39 inches high, 32 crossbars to rod. Spacings same as 939EK-12". Estimated weight per rod 7.35 lbs. Price per rod	42c
832EK-12" —8 bars 32 inches high, 16 cross stays to rod. Spacings 6½-6-5½-4½-3½-3-3. Estimated weight per rod 5.1 lbs. Price per rod	28c
832EK- 6" —8 bars 32 inches high, 32 cross stays to rod. Spacing same as 832EK-12". Estimated weight per rod 6.47 lbs. Price per rod	38c
726EK-12" —7 bars 26 inches high, 16 cross bars to rod. Spacing 6-5½-4½-3½-3-3. Estimated weight per rod 4.54 lbs. Price per rod	25c
726EK- 6" —7 bars 26 inches high, 32 cross bars to rod. Spacing same as 726EK-12". Estimated weight per rod 5.65 lbs. Price per rod	32c

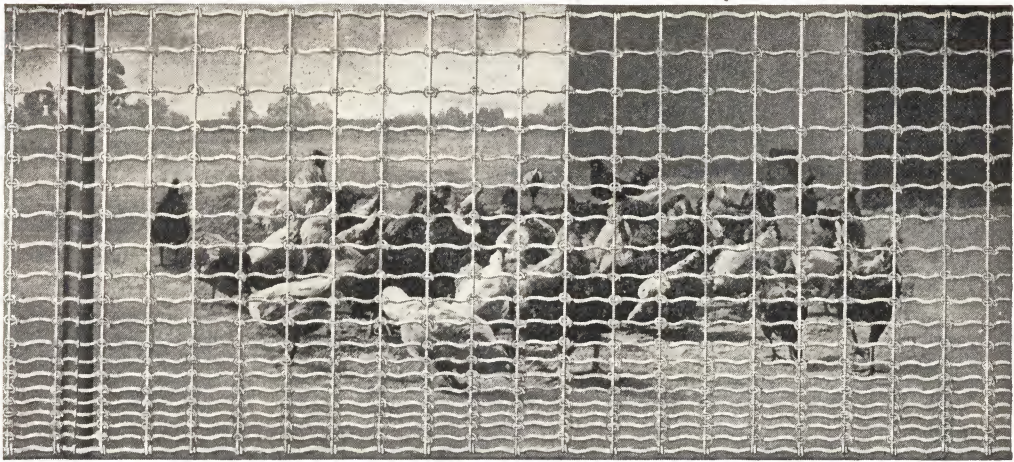
SPECIAL POULTRY FENCE, NO. 12½ FILLER

Made with No. 10 top, No. 11 bottom and No. 12½ intermediates and stay wires. Made in 10, 20 and 30 rod rolls only.

Style 2

2058SP-12" —20 bars 58 inches high, 16 stays to rod. Spacing 1½-1½-1½-1½-2-2½-2½-2½-3-3½-3½-3½-3¾-3¾-4-4-4-4½-4½. Estimated weight per rod 13.7 lbs. Price per rod	68c
2058SP- 6" —20 bars 58 inches high, 32 cross stays to rod. Spacing same as above. Estimated weight per rod 16.6 lbs. Price per rod	86c
1849SP-12" —18 bars 49 inches high, 16 cross stays to rod. Spacing 1½-1½-1½-1½-2-2½-2½-2½-3-3½-3½-3¾-3¾-4-4-4-4. Estimated weight per rod 12 lbs. Price per rod	59½c
1849SP-6" —18 bars 49 inches high, 32 cross stays to rod. Spacing same as above. Estimated weight per rod 15 lbs. Price per rod	75¾c

IMPORTANT—Always give style number and price



EMPIRE POULTRY FENCE

All Freight Prepaid

In "Empire" we offer you a strictly high grade poultry fence. It is made of superior quality, full gauge, heavily galvanized hard steel wire, carefully woven, and our guaranty goes with every rod. It has had a wide sale and is giving the best of satisfaction to all users.

Empire Extra Heavy is exceedingly strong and durable, designed especially for those who want the very strongest and best poultry fence possible to obtain. Has No. 9 top, No. 11 bottom; all other wires No. 12. Made in 10, 20 and 30 rod rolls only.

2058EH-12"—20 bars 58 inches high, 16 cross stays to rod. Spacing 5-5-5-5-4-4-4-3-3-2½-2-2-1¾-1¾-1½-1½-1½-1½. Estimated weight per rod 14.83 lbs. Price per rod **76c**

2058EH- 6"—20 bars 58 inches high, 32 cross stays to rod. Spacing same as 2058EH-12". Estimated weight per rod 19.4 lbs. Price per rod..... **1.02**

1848EH-12"—18 bars 48 inches high, 16 cross stays to rod. Spacing 5-5-5-4-4-4-3-3-2½-2-2-1¾-1¾-1½-1½-1½-1½. Estimated weight per rod 13.23 lbs. Price per rod..... **68c**

1848EH- 6"—18 bars 48 inches high, 32 cross stays to rod. Spacing same as 1848EH-12". Estimated weight per rod 17.1 lbs. Price per rod **91c**

Empire Medium is a high grade, serviceable fence, and very popular for both chickens and rabbits. Has No. 11 top, No. 12 bottom; all other wires No. 14½. Made in 10, 20 and 30 rod rolls only.

2058M-6"—20 bars 58 inches high, 32 cross stays to rod. Spacing 5-5-5-5-5-4½-4-3-3-2½-2-2-1½-1½-1-1-1-1. Estimated weight per rod 10.55 lbs. Price per rod..... **56c**

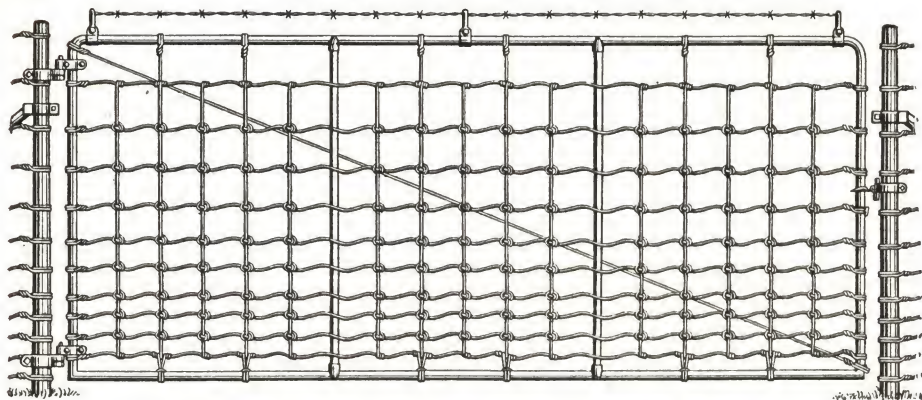
2058M-8"—Same as above except stays are 8 inches apart. 8.7 lbs..... **51c**

1848M-6"—18 bars 48 inches high, 32 cross bars to rod. Spacing 5-5-5-5-4½-4-3-3-2½-2-2-1½-1½-1-1-1-1. Estimated weight per rod 9.35 lbs. Price per rod, **51c**

1848M-8"—Same as above except stays are 8 inches apart. 7.8 lbs..... **46c**

IMPORTANT—Always give style number and price

EMPIRE FARM GATES



Heavy, Strong, Durable, Moderately Priced

A good gate is one of the handiest conveniences on the farm. It is easy to open, easy to close, and is an all around time saver. To have to open and close an old, rickety, cumbersome gate or to take down and put up the old-fashioned bars is discouraging to anyone, especially to the boy on the farm.

The Empire gates have been designed and built with a two-fold purpose in view—convenience and service. A gate is a poor thing if it is not convenient and it is also a poor thing if it is not serviceable. We build all our gates with these two ideas in view. In the first place, the frames are not light tubing, but are made of heavy wrought steel pipe and are electrically welded into one solid piece. They are thoroughly braced and all the castings are malleable iron.

The fabric used for gate filling is made of all No. 9, Basic Open Hearth, heavily galvanized wire, the same as our fence. It is pig tight. The lower lateral wires are only 3 inches apart and the cross stays 6 inches apart. This filling is drawn as taut as a fiddle string and makes the gate look trim and neat.

Frames Not Galvanized

We prefer the painted to the so-called galvanized frames. We have gone down deeply into the whole gate frame galvanizing proposition and find it largely a sham. When galvanizing will not protect a gate frame from rust for more than two years it is not worth the extra cost. The galvanized gate frames are nothing more or less than thin tubing thinly coated on one side only. It is no wonder that they soon rust. Some of the largest manufacturers are now selling more painted than galvanized gates. The heavy frames used in the Empire gates are thoroughly coated with the best quality *green* paint we can buy. Remember if you buy an Empire gate it is guaranteed to be right or your money will be promptly refunded.

Single Drive Farm Gate—No. 20 and No. 10

Our Single Drive Farm Gate is made of All No. 9 wire throughout and in two weights of pipe frame. The web, braces and attachments are exactly the same on both gates, and the difference in price is just the difference in the cost of the pipe for the frames.

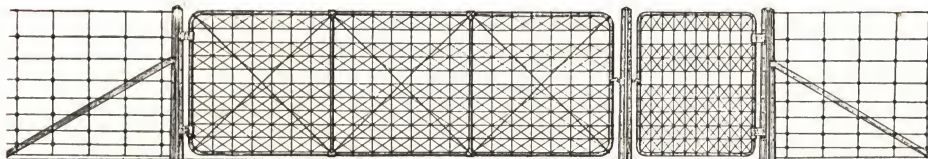
No. 20 Extra Heavy, Frame 1 $\frac{5}{8}$ Inch Outside Measurement

Height Inches	12 Feet		14 Feet		16 Feet	
	Price	Weight	Price	Weight	Price	Weight
48-inch.....	\$8.25	91 lbs.	\$8.50	100 lbs.	\$9.00	115 lbs.
54-inch.....	\$8.50	98 lbs.	\$8.75	105 lbs.	\$9.25	120 lbs.
58-inch.....	\$8.75	104 lbs.	\$9.00	110 lbs.	\$9.50	125 lbs.

No. 10. 1 $\frac{3}{8}$ Inch Frame, Outside Measurement

Height Inches	12 Feet		14 Feet		16 Feet	
	Price	Weight	Price	Weight	Price	Weight
48-inch.....	\$7.25	74 lbs.	\$7.50	82 lbs.	\$8.00	95 lbs.
54-inch.....	\$7.50	76 lbs.	\$7.75	86 lbs.	\$8.25	98 lbs.
58-inch.....	\$7.75	80 lbs.	\$8.00	90 lbs.	\$8.50	100 lbs.

Style B-14 Walk and Drive Gates



This style is generally used in connection with poultry fences, or places where it is desired to turn small chickens as well as all kinds of stock.

Lateral wires are No. 12 and the cross wires, woven in by hand, No. 14 gauge. Brace wires No. 9. All wires well galvanized.

WALK GATES

Height Inches	3 Feet		3 $\frac{1}{2}$ Feet		4 Feet	
	Price	Weight	Price	Weight	Price	Weight
48-inch.....	\$2.75	18 lbs.	\$2.85	19 lbs.	\$3.00	21 lbs.
58-inch.....	\$3.00	20 lbs.	\$3.10	21 lbs.	\$3.25	22 lbs.

DRIVE GATES

Height Inches	10 Feet		12 Feet		14 Feet		16 Feet	
	Price	Weight	Price	Weight	Price	Weight	Price	Weight
48-inch.....	\$6.50	64 lbs.	\$7.00	74 lbs.	\$7.50	82 lbs.	\$8.50	95 lbs.
58-inch.....	\$7.00	68 lbs.	\$7.50	80 lbs.	\$8.00	90 lbs.	\$9.00	100 lbs.

Prices of gates include barbed wire on top, hinges and latch for wood posts only.

We are not prepared to furnish post half of hinge attachments or latch for any make of steel post except our own, and post half of these attachments is included in price of post.

Width of all gates is actual measurement (in feet) between posts.

Always order by number. Give size of gate wanted and the price.

All Freight Prepaid

Save the Surface and You Save All

Here Are Some Real Values in Paints

Poor paint is mighty expensive at any price. It costs you just as much in the work of putting it on and then it doesn't give the protection needed to the surfaces covered. The weather soon makes it blister, scale up and wash off. Then, there's no protection for your buildings so be sure that the paint you buy is good paint.

The paint we offer is a high-grade article, one that we are sure will stand up and give you highly satisfactory results.

All EMPIRE paints are thoroughly tested for durability under exposure to the weather, for covering qualities and for opaqueness. Being carefully analyzed and tested, we can stand back of them with our regular money-back guarantee. Buy EMPIRE Paint and you are sure of satisfaction.

EMPIRE PAINTS are put up in 50-gallon barrels and 5 and 1-gallon cans. In ordering fence or posts, it's a good idea to check up on your paint requirements and place your paint order at the same time.

PRICES OF EMPIRE PAINTS

BARN PAINT

RED

No. B-1—Price	Bbbls. (50 gals.)	..\$1.40 per gal.
Price	5-gal. Cans.....	1.45 per gal.
Price	1-gal. Cans.....	1.50 per gal.

LIGHT SLATE, DARK SLATE AND OLIVE GREEN

No. B-2—Price	Bbbls. (50 gals.)	..\$1.80 per gal.
Price	5-gal. Cans.....	1.85 per gal.
Price	1-gal. Cans.....	1.90 per gal.

WHITE

No. B-3—Price	Bbbls. (50 gals.)	..\$2.00 per gal.
Price	5-gal. Cans.....	2.10 per gal.
Price	1-gal. Cans.....	2.15 per gal.

BLACK TAR ROOF PAINT

No. R-1—Price	Bbbls. (50 gals.)	..\$.70 per gal.
Price	5-gal. Cans.....	.80 per gal.
Price	1-gal. Cans.....	1.00 per gal.

HOUSE PAINT

WHITE

No. H-1—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

LEAD COLOR

No. H-2—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

LIMESTONE

No. H-3—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

LIGHT GREEN

No. H-4—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

LIGHT BLUE

No. H-5—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

BROWN

No. H-6—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.

PALE YELLOW

No. H-7—Price	Bbbls. (50 gals.)	..\$2.25 per gal.
Price	5-gal. Cans.....	2.35 per gal.
Price	1-gal. Cans.....	2.40 per gal.



Uncle Sam's Favorite

This famous Rural Mail Box has recently been re-approved by the Postmaster General.

It is the most convenient and most durable box ever used.

More than a million of them in use on the routes in all parts of the country.

If you haven't an Uncle Sam's, get one and you will never need another one. Lasts a lifetime.

PRICE \$1.25

Style H—Lawn Fence With Gates to Match



The above makes a very attractive and substantial lawn fence. The pickets are heavy All No. 9 wire, spaced three inches apart at the top. The double construction of the lower half makes the pickets only $1\frac{1}{2}$ " apart. The cable or line wires are 6 inches apart, except the two top wires which are $2\frac{3}{4}$ " apart. All wires are galvanized.

PRICE LIST

	30"	36"	42"	48"	60"
Lawn Fence Style H—Per Ft.....	11c	11 $\frac{3}{4}$ c	12 $\frac{3}{4}$ c	15c	20c

Sizes and Prices of Style "HH" Walk Gates to Match Style "H" Lawn Fence

Width	Height			
	30 in.	36 in.	42 in.	48 in.
3 ft.	\$2.90	\$2.95	\$3.00	\$3.10
3 $\frac{1}{2}$ ft.	3.25	3.30	3.35	3.45
4 ft.	3.45	3.50	3.55	3.65

NOTE: Prices include hinges and latch for wood posts. Fittings for hanging gates to steel posts cost 75c extra.

When ordering fittings for steel posts be sure to tell us the diameter of posts so we can send fittings of the proper size.

Sizes and Prices of Style "HH" Single Drive Gates to Match Style "H" Lawn Fence

Width	Height			
	30 in.	36 in.	42 in.	48 in.
8 ft.	\$ 5.45	\$ 5.55	\$ 5.65	\$ 5.85
10 ft.	6.55	6.65	6.75	6.95
12 ft.	7.65	7.75	7.85	8.15
14 ft.	9.05	9.15	9.25	9.45
16 ft.	10.40	10.50	10.60	10.85

If gates are to be hung to steel posts, see note under price of Walk Gates.

Barbed Wire

Our Barbed Wire is all open hearth steel and galvanized. No better Barbed Wire is sold anywhere. The 4-point weighs about 90 lbs. and 2-point 85 lbs. per spool.

80-rod spools, 2 pt. Standard Barb Wire (thick set barbs), per spool.....	\$4.40
80-rod spools, 4 pt. Standard Barb Wire (thick set barbs), per spool.....	\$4.70
80-rod spools, 4 pt. Standard Barb Wire (6 inch barbs), per spool.....	\$4.40

Brace Wire No. 9

We furnish No. 9 smooth galvanized brace wire, 10 lbs. up, per pound..... 4¼c
This wire runs about 17 feet to the pound.

Staples

Galvanized Staples, 1, 1¼, 1½, 1¾, 2 in., keg 100 lbs.....	\$4.75
Galvanized Staples, less than keg lots, per pound.....	5¼c

Freight Prepaid with Other Goods

OUR QUICK-SET ANGLE STEEL FENCE POSTS

A strictly high grade, long-lived, strong and satisfactory post.

Time saved in setting makes it cheaper than a wood post, while it will outlast the ordinary wood post by many years.

The fence is easily attached and is there to stay, as staples cannot work out as is so often the case with a wood post.

We have gone over the post question very carefully and feel absolutely sure that in the Quick-Set Tee Steel we are offering our customers the best the market affords in a steel post.

Send for trial order, as the post has to be seen and tried in order to be properly appreciated.

How Long Posts Will Last

Tee Steel Posts of material identical with the Quick-Set Posts were set by a number of fence users nine or ten years ago. These men say the posts do not yet show signs of decay, but seem just as good as new. It has been shown that steel poles for electric railroads depreciate but 1% per year, while wood poles for telephone companies depreciate at least 7½%. Quick-Set Posts are thick enough to give service 35 to 50 years, or longer.

NOTE: We are prepared to furnish extension arms on steel posts for barbed wire for factory fence.

Ground Bar Base

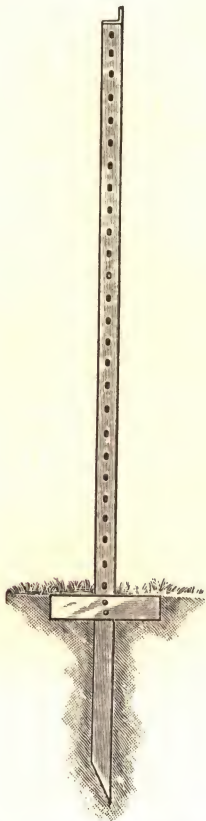
These posts are driven, and save eight to twelve cents a post, which it costs to set wood posts. The steel ground bar is sunk below the surface and makes the post stronger against pressure than any other post in use. Convenient for any wire.

Fastening the Wire

From near the ground line to within one

inch of the top, Quick-Set Line Posts are punched every two inches with elongated holes which permit the fastening of any kind of fence strands with either staples or pieces of wire.

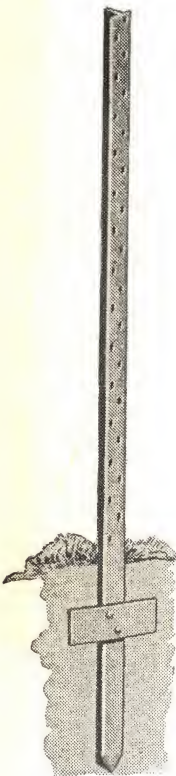
Place a fence staple over a strand of fence and close the points slightly with hammer or pliers. Then drive the closed staple through the hole in the post and clinch the ends on the opposite side.



Ground Bar Base

Specifications

Size of Angle 1 1/4 x 1 1/4 x 3/8 inch				
B-160	78 inch	60 inch	8. lbs.	\$.34
B-166	84 inch	60 inch	8.50 lbs.	.36

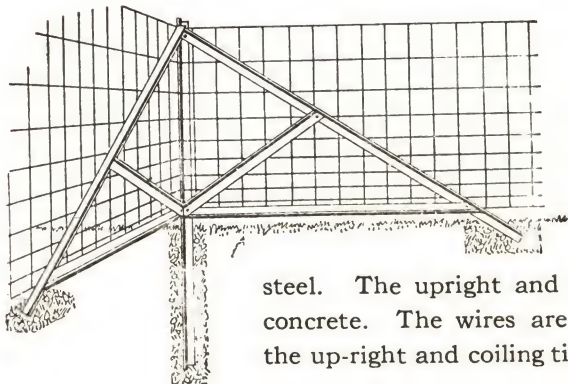


T Line Posts

Size of Sections 1 3/8 x 1 3/8 x 5/8 x 3/4

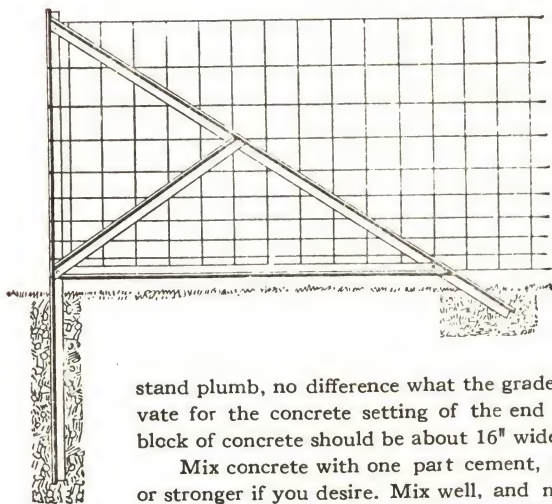
G-72	6 ft.	8.12 lbs.	\$.55 1/2
G-78	6 1/2 ft.	8.63 lbs.	\$.39
G-84	7 ft.	9.25 lbs.	.41

CORNER POST



These posts are the strongest, most rigid, best braced posts ever made for fencing. They come complete with all braces and bolts. All angles are of elastic carbon angle steel. The upright and main braces are set firmly in concrete. The wires are fastened by wrapping about the up-right and coiling tightly.

END POST



How To Set Ends and Corners

First, assemble the post and braces, as the illustration shows. You can thus see how to make excavation for the main brace. If hinges or latch for a gate are to be used on the post, put them on before bolting the post together.

Dig a hole for the post 14 to 16 inches square and 32 inches deep, digging it so that the upright will stand plumb, no difference what the grade of the surface may be. Then excavate for the concrete setting of the end of the main brace. On level land this block of concrete should be about 16" wide by 20" long and 18" deep.

Mix concrete with one part cement, three parts sand, and six parts gravel, or stronger if you desire. Mix well, and make it rather wet or mushy, as the soil absorbs much of the moisture and the mixture should not be too dry. Set the post in a vertical position, so the upright will set 32 inches below the surface, and fill the excavations with concrete. Pack it in well, and round up the top surface so it will drain well. Let the post stand until the concrete is thoroughly set and hardened before stretching the fence. A wood false post may be driven about three feet behind the steel post to attach stretcher.

Specifications

Size of post angles $2 \times 2 \times \frac{3}{8}$ inch
 Size of main brace $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ inch
 Size of other braces $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{32}$ inch

Order No.	Length Upright	Above Ground	Weight About	Price
E-60 End Post	92 inch	60 inch	63.5 lbs.	\$3.00
C-60 Corner Post	92 inch	60 inch	87.5 lbs.	\$4.25
G-60 Gate Post	92 inch	60 inch	68. lbs.	\$3.50

How to Set Quick-Set Drive Posts



The number of posts to use depends upon the purpose of the fence; use just as many as you would of any good post.

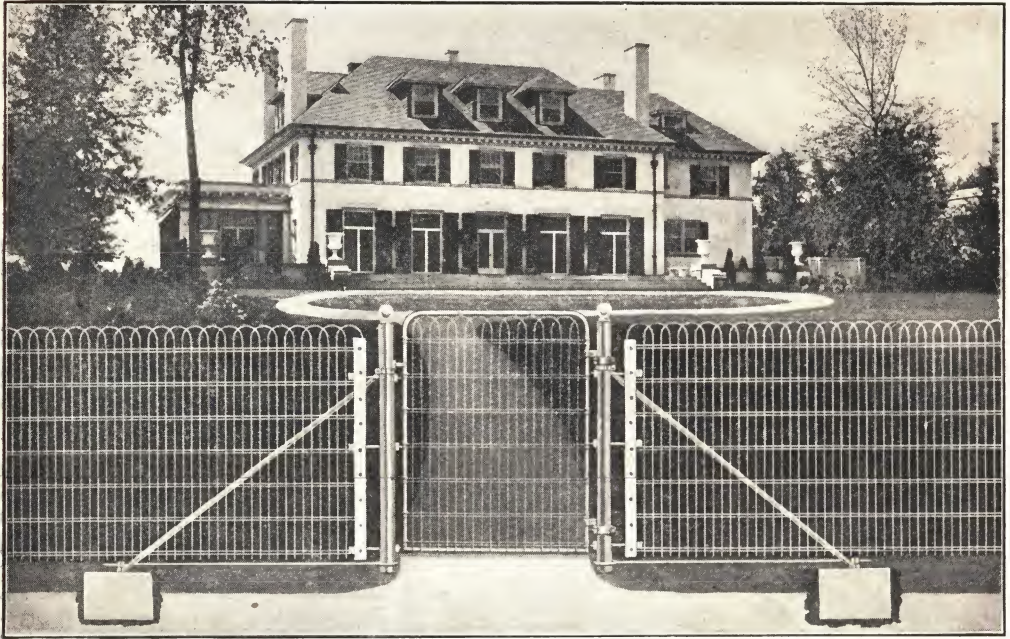
Drive the posts right down with a maul or sledge. This can be done from the wagon which hauls them, the fence line being marked with three stakes or posts, and a man to drive and a boy to measure will set more Quick-Set Posts in half a day than three men will of wood posts in three days. No extra handling is required.

Replace decayed posts in old fences by driving Quick-Set Posts right down beside the fence. This saves an ugly job of digging beside woven or bard wire.

In driving the Quick-Set Steel Post take a 2x4 stick and of same length you want the post to stand above ground. Fit this into the angle and hold firmly while driving the post into the ground. It stiffens post and keeps it plumb. It also tells you when you have the post deep enough.

Stretching Fence

Do not attach fence stretchers to End or Corner Posts, as the entire strain of the fence coming at one point might spring the post. There is no danger of this when the strain is evenly divided. Always place a temporary post for stretchers.



Lawn Fence—The Eclipse—Neat, Strong and Durable

Eclipse Lawn Fence is made entirely of Open Hearth All No. 9 hard steel wire, well galvanized, and coated with the best quality white enamel paint the market affords.

The upright wires are only $2\frac{1}{4}$ inches apart, so that dogs, chickens or cats cannot get through; neither can children or grown people get their feet in between and stand on the horizontal wires and thus climb over the fence.

It can be used in connection with any kind of post, and with or without a rail, as desired. Posts should not be more than 8 feet apart.

Eclipse is a neat, strong and durable fence; is an attractive feature of your home as well as a protection to your lawn.

PRICE AND WEIGHT PER RUNNING FOOT	36 inches high	12½¢ per foot, weight 1.62 lbs.
	42 " "	13½¢ " " " 1.79 "
	48 " "	15¢ " " " 2.16 "

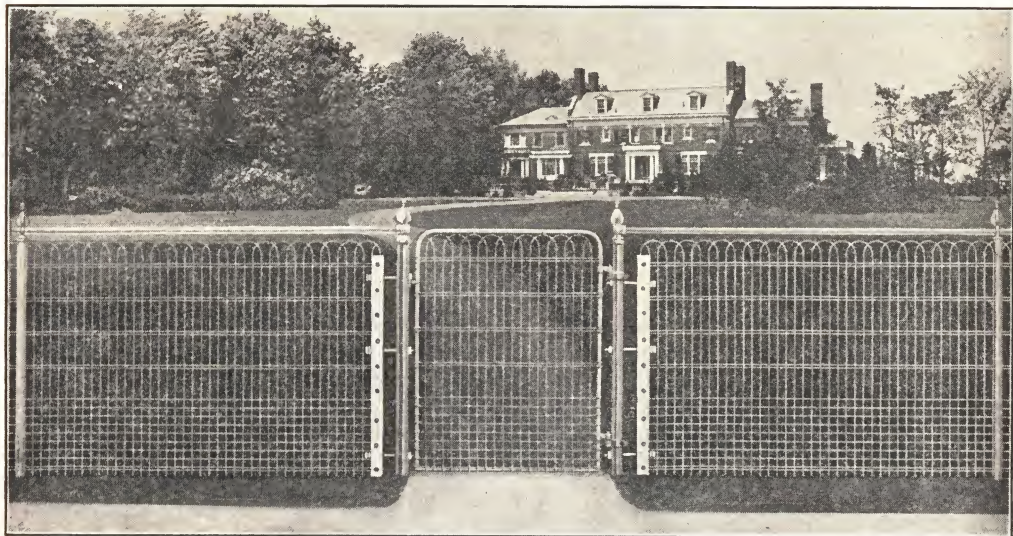
PRICE AND WEIGHT OF ECLIPSE GATES

Height	Width of Gates Actual Measurement Between Posts						
	3 ft.	3½ ft.	4 ft.	5 ft.	6 ft.	8 ft.	10 ft.
36-inch.....	\$2.40	\$2.60	\$2.80	\$3.40	\$4.10	\$5.15	\$6.25
	17 lbs.	18 lbs.	20 lbs.	23 lbs.	40 lbs.	50 lbs.	60 lbs.
42-inch.....	\$2.65	\$2.85	\$2.90	\$3.70	\$4.35	\$5.35	\$6.40
	18 lbs.	19 lbs.	22 lbs.	25 lbs.	44 lbs.	54 lbs.	64 lbs.
48-inch.....	\$2.90	\$3.10	\$3.25	\$4.50	\$4.85	\$5.90	\$7.00
	20 lbs.	21 lbs.	24 lbs.	28 lbs.	48 lbs.	58 lbs.	68 lbs.

For double gate, use two singles.

Price of gates include hinges and latch for wood posts only.

We are not prepared to furnish hinge and latch attachments for any make of steel post except our own, and for our steel posts price of attachments are included in price of posts.



Special Web Lawn Fence—The Eclipse—Strong and Very Attractive

Eclipse Special Web is, without doubt, the strongest, most serviceable and neatest appearing lawn fence that can be made of wire.

Made entirely of Open Hearth All No. 9 hard steel wire, well galvanized, and coated with best quality white enamel paint, and the uprights only $1\frac{1}{4}$ inches apart, close spacing of the lower horizontal wires, it is a strictly high grade, strong, neat and exceptionally satisfactory lawn fence. It is impossible for even the smallest chick to creep through it.

Can be used in connection with any kind of post, and with or without a rail. Posts should not be over 8 feet apart.

PRICE AND WEIGHT PER RUNNING FOOT	36 inches high		18c	per foot		2.49 lbs.
	42	"	"	20c	"	"
	48	"	"	22c	"	"
	60	"	"	36c	"	"
	72	"	"	40c	"	"

PRICE AND WEIGHT OF GATES TO MATCH ECLIPSE SPECIAL WEB

Price and Weight of Gates to Match Eclipse Special Web

Height Inches	Width of Gates Actual Measurement Between Posts						
	3 ft.	3½ ft.	4 ft.	5 ft.	6 ft.	8 ft.	10 ft.
36-inch.....	\$2.55	\$2.75	\$2.95	\$3.65	\$4.40	\$5.40	\$6.60
	18 lbs.	19 lbs.	21 lbs.	24 lbs.	42 lbs.	53 lbs.	63 lbs.
42-inch.....	\$2.80	\$3.00	\$3.10	\$4.00	\$4.70	\$5.75	\$6.90
	19 lbs.	20 lbs.	23 lbs.	27 lbs.	47 lbs.	57 lbs.	68 lbs.
48-inch.....	\$3.10	\$3.30	\$3.45	\$4.75	\$5.25	\$6.25	\$7.60
	22 lbs.	23 lbs.	25 lbs.	30 lbs.	52 lbs.	62 lbs.	75 lbs.

Prices of gates include hinges and latch for wood posts only. We are not prepared to furnish hinge and latch attachments for any make of steel posts except our own, and price of hinge and latch attachments for our steel posts is included in price of post.

Steel Posts and Pipe Rail for Lawn Fences

Our special Steel Post for Eclipse and Eclipse Special Lawn Fence is made of Open Hearth steel plate and each post given a thorough coating of high grade green paint, making a very neat appearing and long-lived post.

The end, corner and gate posts are round in shape, being 4 inches in diameter at the bottom, tapering to about 2 inches at top. Each post is equipped with a special clamp for attaching the fence. An end or gate post has one of these clamps each, and a corner post two. With this clamp it is a very simple and easy matter to attach the fence.

The line posts are made of two strips of steel plate, pressed into a "U" shape, and held together by bolts. One half is intended to extend only six to eight inches below the ground. The long half is set first, and after the fence is attached to end posts the short half is put in place, the fence being between the two halves, the bolts put in, and the job is done.

All posts have an ornamental cast iron top. The top for end, corner and gate posts have a socket for holding one end of the pipe rail, while there is a hole through the tops of the line posts, to allow the pipe rail to extend continuously from one end post to the other.

The rail is $1\frac{3}{8}$ inch, outside diameter, steel pipe, painted green, same as the posts, and cut in lengths to fit the stretch of fence.

PRICE AND WEIGHT OF POSTS

	Price	Weight	Clamps
Corner Post complete without bracing.....	\$3.40	36½ lbs.	14 lbs.
End Post complete without bracing	\$2.90	36½ lbs.	7 lbs.
Gate Post complete without bracing	\$3.40	41 lbs.	7 lbs.
Line Post complete	\$1.10	20 lbs.	

Pipe Rail 10c per running foot, weight about $1\frac{1}{2}$ lbs. per foot.

Delivered in lots of 100 lbs. weight, or with fence.

If bracing is wanted add \$1.50 extra per set.

Good Horse Sense on Wire Fence



Why is a 10 yr. old horse worth only half as much as a 5 yr. old? Because it has only half as many prospective years of usefulness. The fault is not in its SKIN, but the body inside of it. Just so with a fence made of Bessemer wire, its days are numbered, no matter how perfectly galvanized.

Listen to this TRUE STORY. The late Hon. George B. Horton, for many years Master of the Michigan State Grange, heard so many complaints about short-lived fences, he resolved to find a remedy. Like everybody else, he blamed the galvanizing; so had a bill introduced in the Legislature, so stringent that Michigan Fence Makers, declared they would move out of the State, so it failed to pass. Meantime Mr. Horton, had secured samples of wire from nearly all fence makers, and asked the Metallurgist of the State University at Ann Arbor, to show how the galvanizing differed. They reported the difference very slight, but that the WIRE from the Bond Steel Post Co., was much better than the others. As we have never used any but Open Hearth wire our reputation for long-lived fence was accounted for and Mr. Horton kept on buying thousands of rods for his twelve farms in Lenawee County.

Our circular explains that there are two kinds of wire. Bessemer and Open Hearth. They look alike and cost the same, so fence makers use which-ever is sent (mostly Bessemer), but it so happened that we commenced with the other and never changed. If we sold through dealers instead of direct, we might never have learned that IT'S IN THE WIRE. Reports from users, led to this discovery.

Farmers by clubing together and getting a carload can save some money. Let us tell you how easily our club plan works.

BOND STEEL POST COMPANY

ADRIAN, MICHIGAN

Steel Fence Posts



A farmer can save many losses to his live stock as well as his crops by having his property properly fenced.

Fence posts are therefore looming up as an important factor in the consideration that is given to wire fencing as an economic proposition.

It was not until the steel fence post came into use that it was realized what economies are possible in so simple a farm item as a fence post.

The manifest advantage to counteract the slightly higher first cost of the steel post to wood or concrete posts are many.

The life of steel posts as compared with either concrete or wood posts is to be considered as well as the time saved to the busy farmer, in that steel posts may be driven into the ground in a few moments' time, a decided contrast to the operation of digging holes and setting wooden posts.

A sufficient quantity of steel posts to fence a 40-acre field can be hauled at one load, and driven in a day's time, and one man and a boy can set more posts than four men working with wooden posts.

Even though you pay a slight advance for steel posts over wood or concrete posts, your investment is a good and economical one, because the average life of a wood post is only six to ten years, while there are records of steel posts driven 35 years ago which are in good condition today.

If wire fencing is built on wooden posts, farmers lose millions of dollars each year as the result of herds being driven against the fence by storm and being killed by a stroke carried along the wires for a great distance. Wooden posts are non-conductors but when steel posts are used the fence is grounded at every post and there is absolutely no danger from lightning.

The end and corner posts are the bases of a good fence because they must bear the strains that come upon the wire at any point on the fence line.

The chief responsibility of the line post is to hold the wires in place and keep the fence tight and avoid sagging. End and corner posts must therefore be properly and well anchored and set in concrete, which is the most rigid construction it is possible to make, and will stand strains in excess of any that will ever be required.

The Empire steel posts are made of tough, springy, rail steel, free from impurities and our posts are coated with a heavy green paint which is rust resisting and adds to the durability and long life of the post.

Nothing adds more to the appearance and value of a farm than a well built and substantial fence.

From an economical standpoint experience has shown that the steel post is the cheapest in the long run. They have been thoroughly tried out, have proven most satisfactory, and there is nothing better that the farmer could buy.

There is no delay in erecting fence on account of weather, as steel posts can be driven in any season of the year regardless of weather conditions.

BOND STEEL POST CO., Adrian, Michigan

The Truth About Wire Fences

Just a few plain facts—things that every buyer ought to know—facts that will help you take the bunk out of fence buying and give you a full dollar's worth of value for every dollar you spend.

By WALTER CLEMENT

*President of the Bond Steel Post Company; formerly
with Page Fence Company when the first wire fence
was originated over forty years ago.*

IF everybody just knew the real truth about wire fences, millions of dollars would be saved to the fence buyers of the United States.

The fact is that a lot of fence beauty is only skin deep—and the trouble with fence buyers is that they buy on looks instead of on real facts.

The only way that you can be sure of getting a full hundred cents value on every dollar you pay for your fence is to get the real facts about the fence you buy.

Can You Tell the Difference

Well, you may ask, "How is it possible to know about the difference in different kinds of fences?"

That's a fair enough question—and I want to give you a straightforward answer.

The great difference in fences comes from the fact that the steel wire used in fences is made in two different ways—first, by the old Open Hearth process; and second, by the Bessemer process.

The Bessemer process makes steel faster than the old Open Hearth process, but it doesn't make as good steel for fences.

Bessemer steel rusts more quickly than Open Hearth Steel. And if steel rusts you know what's going to happen to your fence.

How You Can Tell the Difference

You can easily tell the difference between Open Hearth and Bessemer steel in wire fences.

The process of determining the difference in the quality between the Bessemer and the basic Open Hearth steel is comparatively simple.

If you immerse a piece of No. 9 Bessemer steel wire in a solution of sulphuric acid for ten hours, or say over night; the immersed end will be eaten away until it is scarcely larger than a thread. A No. 9 basic Open Hearth wire subjected to the same test will scarcely be effected. WHY? Because it is not so porous as the Bessemer wire and is freer from impurities.

*To test the galvanizing you use a solution of sulphate of copper (Blue Vitriol.)

The acid attacks the impurities in the Bessemer wire just as rust attacks them. The solution containing the Bessemer wire, will bubble, become boiling hot and black as ink; while you will rarely see a bubble in the liquid containing the Basic Open Hearth wire and it will remain almost clear. The reason for this is because it is purer steel and offers more resistance.

*It is a proven scientific fact that the purer the steel the longer it lasts.

This ought to convince you that a fence made of Basic Open Hearth wire, such as is used in the Empire will last a long time when exposed to the elements, wire that will stand the acid test will not be effected to any appreciable extent by rust.

You have been blaming the rust trouble, no doubt, to poor galvanizing, and sometimes, it may be due to that, but more often it is the poor quality of the steel under the galvanizing.



This shows wire being tested in a 25% solution of sulphuric acid. The tumbler on the left contains the ordinary steel wire. The one on the right is the Basic Open Hearth Steel Wire always used on Empire Fence. The picture on the other page shows the result of the test.

When you come to buy fence, therefore, it is not safe to depend upon the eye because appearances are deceptive. You can coat a poor porous Bessemer wire with galvanizing and it will look just as good to the eye as any wire, and that is why it is so easy to fool the fence buyer. Herein lies the mystery which has cost the farmers of this country millions of good dollars, and herein you will find the solution of the trouble.

DON'T BLAME YOUR DEALER. He doesn't know whether he is selling Basic Open Hearth wire or Bessemer wire.

We have studied the matter carefully for more than 20 years and offer as convinc-

ing evidence, the lasting qualities of Empire Open Hearth Wire Fence.

We believe we are fully justified, in the light of our experience, in saying that a fence made of No. 9 well galvanized basic Open Hearth wire will last 40 years and it ought to do so. It is a burning shame that so much of the fence throughout the country has had to be replaced after a few years.

How to Be Sure of Getting Open Hearth Wire Fence

Your attention is called to the illustrations, showing how these tests are made.

Now that you know the difference, isn't it worth your while to be sure of getting Open Hearth Wire fence?

You will be absolutely sure of getting Open Hearth Wire if you use nothing but Empire Fence, because we use none but Open Hearth in making it.

Just to show you how careful we are about it—last spring five carloads of Bessemer were shipped in to our factory by mistake. We wired we couldn't use it, and it was later disposed of for another purpose.

We don't use a single pound of Bessemer in any fence we make. Other manufacturers may use some Open Hearth Wire but we don't know any manufacturer who insists on using it in every pound of fence.

Probably four-fifths of all the fence in use is Bessemer. Why take a chance, when you can be sure of buying Open Hearth?

Since our suspicions about Bessemer Fence were first aroused years ago, we have been very careful to use nothing but Open Hearth Steel. We do this for our own protection as well as for the protection of our customers, because we know that customers won't come back for more unless the fence has given satisfaction, and the only way we know to give absolute satisfaction is to use Open Hearth steel.

The Empire fence is sold direct to the user at wholesale and has been for more than twenty years.

Following are copies and extracts of letters received recently from customers who buy Empire fence regularly and know from their own experience what it is—and how well it lasts.



Here we have the same two wires after being submitted to the sulphuric acid test for ten hours as shown on the opposite page. The sample of the ordinary wire in the left hand shows how the acid, like rust, has eaten into the heart of the wire. The sample in the right hand shows the Basic Open Hearth Steel Wire used on Empire Fence, with hardly any noticeable effect. Both wires were subjected to the same test.

A Few Testimonials

I have Empire All No. 9 fence that has been up 12 years and it is a good fence yet. Looks like it would last 15 or 20 years more. I have three or four other kinds of No. 9 fence up about the same length of time, that I am going to replace with Empire All No. 9 fence this Spring. I have ordered 15,000 rods of Empire All No. 9 fence from your factory for myself and neighbors and will say that myself and neighbors are well pleased with Empire All No. 9 fence. I am going to order another carload soon.

Lancaster, Ohio.
January 22, 1923.

Very truly yours,
ASHER GUNDY.

Five years ago, I bought from you a carload of fence. Except that it is not quite as bright as when it arrived, it is just as good today as the day it left your factory. I'd like about a mile more of it, sixty inch, and would thank you for price and folder.

Featherstone, Virginia.
January 11, 1922.

Yours truly,
FRANK R. CHAMBERS, JR.

I have 400 acres and put up some 150 rods of your fence 10 or 12 years ago, and it is the freest from rust of any fence on the farm, although 100 rods are around a timber lot.

Holcomb, New York.
January 21, 1922.

Very truly yours,
CHARLES CHAPIN.

We ordered fencing of you several years ago. Our address then was Atwood, Illinois. I am pleased to say we found your fence very satisfactory.

Olivet, Illinois.
December 29, 1919.

Very truly yours,
EDWARD SUFFERN.

Will you please send me two twenty rod rolls of fencing, Style No. 1148, as soon as you can, as I want to use it. I like your fence better than any other I have ever used. I have used different kinds and I do not hesitate to recommend your fencing. You will find enclosed my check for \$26.00. Please acknowledge the order.

Elmer, New Jersey.
January 21, 1922.

Very truly yours,
S. M. HERITAGE.

Please send me price list of your fencing. I have been a user of your fence for years and I cannot find any that will beat it. IT IS THE BEST.

Somerset, Kentucky.
March 16, 1923.

Very truly yours,
JOHN SIMPSON.

I put up last Spring 60 rods of your 1047 All No. 9 fence and I think it is the best fence on the market, and I want some more of it this Spring. What can you furnish it for a rod, laid down at Eaton, Rapids, Michigan?

Eaton Rapids, Michigan.
March 21, 1923.

Very truly yours,
GEORGE W. NEWCOMB.

The fence which you shipped to Merna, arrived there on the 14th, inst., and was unloaded yesterday and will state that I am very much pleased with the material and enclose herewith my check for \$1.171.25, balance due you. Please acknowledge receipt.

Aurora, Nebraska.
March 17, 1923.

Very truly yours,
A. E. SIEKMAN.

I have my barn yards enclosed with your All No. 9, 58-inch fence. I am a breeder of Aberdeen Cattle. I use this fence for all kinds of live stock, including young bulls and mules. I am pleased to say that I always find them in the enclosure. It stands up and holds its shape well, if it is properly stretched, and I cheerfully recommend it as an all-purpose fence.

Lockridge, Iowa.

Respectfully yours,
F. S. DALLMER.

Your fence has been highly recommended to me as to price and quality by J. W. Leach of this County. I would like to have one of your catalogs and price lists as I will soon be in the market for 110 rods of fence. Thanking you in advance for all favors, I am,

Woodson, Illinois.
June 25, 1923.

Very truly yours,
HUGH G. VOORHEES.

I am in receipt of a letter from your Company. I should like very much to have your latest catalog of fences, stating prices in full. I purchased about 640 rods of your fence 13 years ago. This fencing has given me satisfactory results. I expect to build more fence this season.

Eaton, Illinois.
March 21, 1923.

Very truly yours,
AUGUST KNUPPEL.

BOND STEEL POST CO., Adrian, Mich.

BOND STEEL POST CO.

ADRIAN

MICHIGAN



It is Better to BUY Empire Fence Than to WISH You Had

What Ails the Wire?

While scientists are trying to find why small wires do not last longer "Farmer Jones" keeps right on putting up "Empire All No. 9." He says "for a halter pulling horse" I can't wait for small ropes to **grow better**, but get one **big enough** to hold him **anyhow**.

In regard to the galvanizing, it protects the **outer surface** which is only half as much in proportion on No. 9 as in sizes commonly used. Like this: It takes four rods of fence to go around a square rod of ground, while two rods square containing four squares can be fenced with eight rods. See?

HOLD BULLS AND MULES

I have my barnyards enclosed with your All No. 9-53 in. fence. I am a Breeder of Aberdeen cattle. I use this fence for all kinds of live stock, including young bulls and mules, and I am pleased to say I always find them in the enclosure. It stands up and holds its shape well, if properly stretched. I cheerfully recommend it as an all purpose fence.

F. S. DALLNER, Lockridge, Iowa.

THANKS

I have received the 4 rolls of wire fence. I am pleased with it and will only be too glad to recommend the Bond Steel Wire fencing to any one contemplating buying wire for fencing. Wishing you success, I am,

H. LUEDEKING, Seminole, Ala.

A LONG TRIAL

Please send me prices on your fence. I want to make my order as soon as I get your prices. I have used your fence for 15 years and I find it the best that I can buy. Let me hear from you at once, and oblige,

H. R. GLASCOCK, Flemingsburg, Ky., R. F. D. No. 4.

OF COURSE HE'LL COME BACK

The fence and gates, and the rest of the order arrived all o. k. and was indeed very satisfactory. I wish to thank you for your kindness in getting the order out so soon. Will probably be back again for some more of your products. In addition you will please find enclosed check calling for \$79.00 in settlement for full.

I. CARL WILLIAMS, Bryant, Indiana.

BEST THIS MAN HAS

Will you kindly send me your new catalog and price list of your Empire fence. The fence I got of you six or seven years ago, is the best I have.

DR. W. J. SMITH, Richmond, Indiana.

IT FILLS THE BILL

Enclosed find draft for \$35.00 to apply on 80 rods of Empire fence. If a sufficient amount is left, prepay the freight, and it is convenient please do so, and oblige.

Your All No. 9 wire cattle fence that I bought of you three years ago, surely fills the bill and I'm well pleased with it.

M. M. BUCHTA, 135 Springer Ave., Edwardsville, Illinois.

A GOOD WORD FOR THE JUNIOR

The Junior fence I purchased of you some years ago has given good satisfaction and as I need another 100 rods, I would like your lowest price delivered at Beekmantown, N. Y. There is another party here also, who is going to buy fencing, Mr. J. L. Burke, Supt. Poor Farm, 1047-7 in. stay.

WM. P. LOMBARD, Plattsburgh, N. Y., R. F. D. 1.

BEST AND CHEAPEST

Please send me a complete list of your fencing, especially Empire Special. I will need about 160 rods this Fall. I have bought several miles of your fence, and find them always the best and the cheapest.

E. J. BARTRAGER, Shipshewana, Ind., R. F. D. 3.

It is Better to BUY Empire Fence Than to WISH You Had

What Ails the Wire?

While scientists are trying to find why small wires do not last longer "Farmer Jones" keeps right on putting up "Empire All No. 9." He says "for a halter pulling horse" I can't wait for small ropes to **grow better**, but get one **big enough** to hold him **anyhow**.

In regard to the galvanizing, it protects the **outer surface** which is only half as much in proportion on No. 9 as in sizes commonly used. Like this: It takes four rods of fence to go around a square rod of ground, while two rods square containing four squares can be fenced with eight rods. See?

HOLD BULLS AND MULES

I have my barnyards enclosed with your All No. 9-58 in. fence. I am a Breeder

Digitized by:



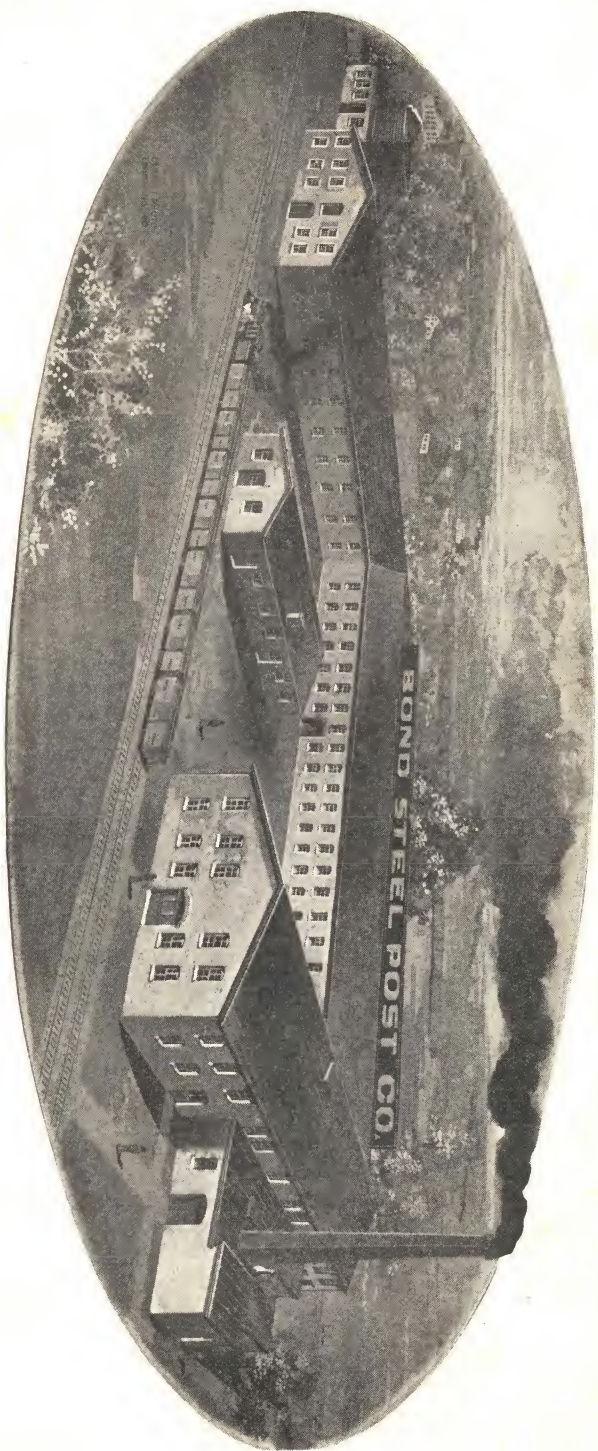
ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:
Gerron S. Hite

West Texas Collection, Angelo State University, San Angelo, TX



BOND STEEL POST CO. FACTORY, ADRIAN, MICHIGAN